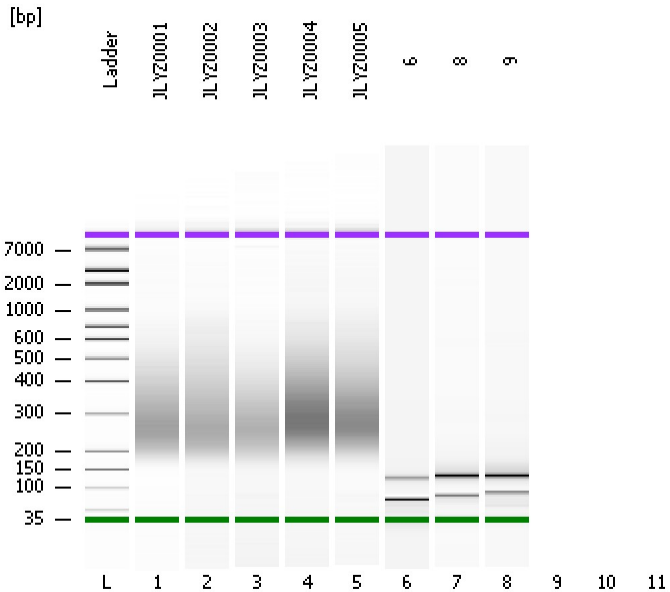


Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

Created: 6/14/2017 3:16:37 PM  
Modified: 6/14/2017 3:49:21 PM

**Electrophoresis File Run Summary**



Instrument Information:

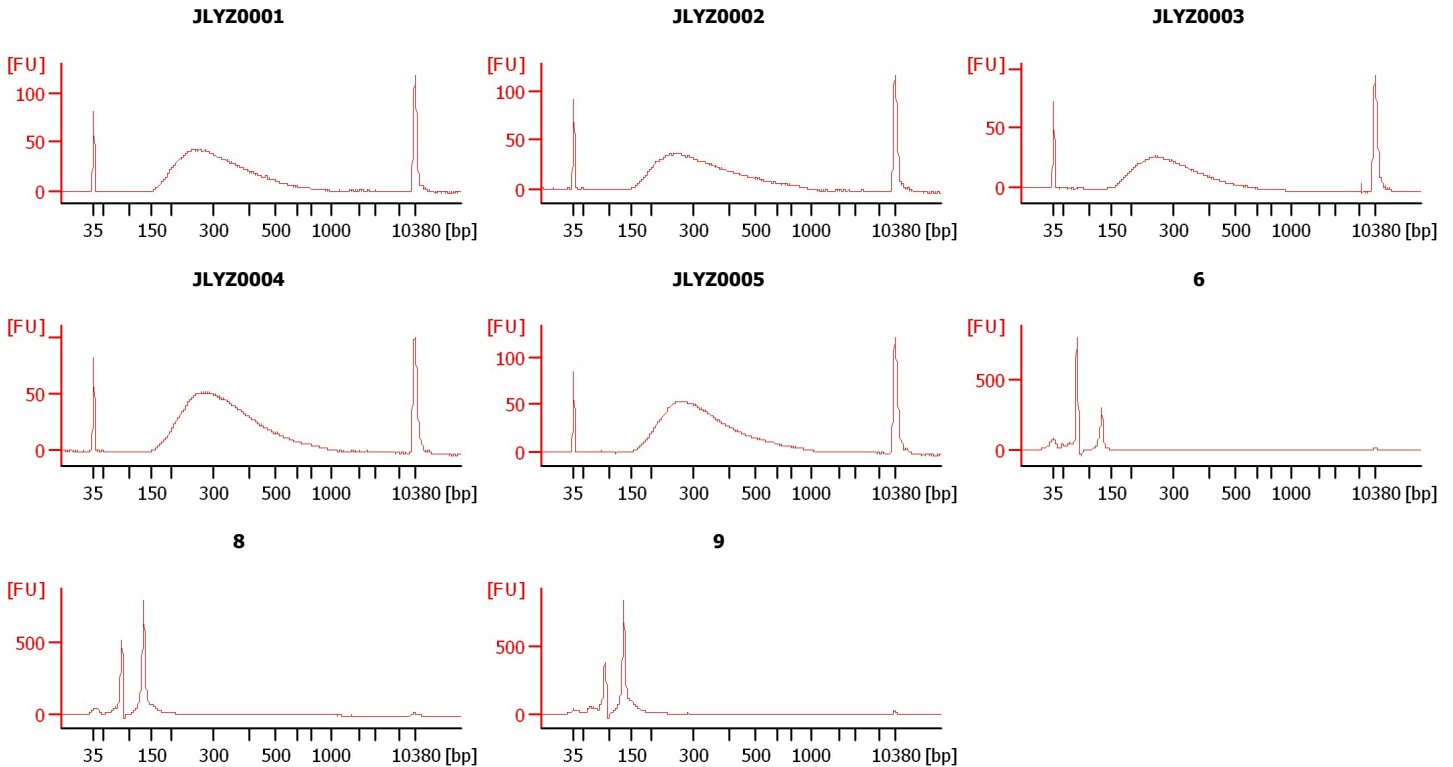
Instrument Name: DE13701086      Firmware: C.01.069  
Serial#: DE13701086      Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy  
Assay Class: High Sensitivity DNA Assay  
Version: 1.03  
Assay Comments: Copyright © 2003-2010 Agilent Technologies

Chip Information:

Chip Lot #:   
Reagent Kit Lot #:   
Chip Comments:



Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

Created: 6/14/2017 3:16:37 PM  
 Modified: 6/14/2017 3:49:21 PM

**Electrophoresis File Run Summary (Chip Summary)**

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
JLYZ0001		<input type="checkbox"/>	✓			
JLYZ0002		<input type="checkbox"/>	✓			
JLYZ0003		<input type="checkbox"/>	✓			
JLYZ0004		<input type="checkbox"/>	✓			
JLYZ0005		<input type="checkbox"/>	✓			
6		<input type="checkbox"/>	✓			
8		<input type="checkbox"/>	✓			
9		<input type="checkbox"/>	✓			
		<input type="checkbox"/>				
		<input type="checkbox"/>				
Ladder		<input type="checkbox"/>	✓			

**Chip Lot #**

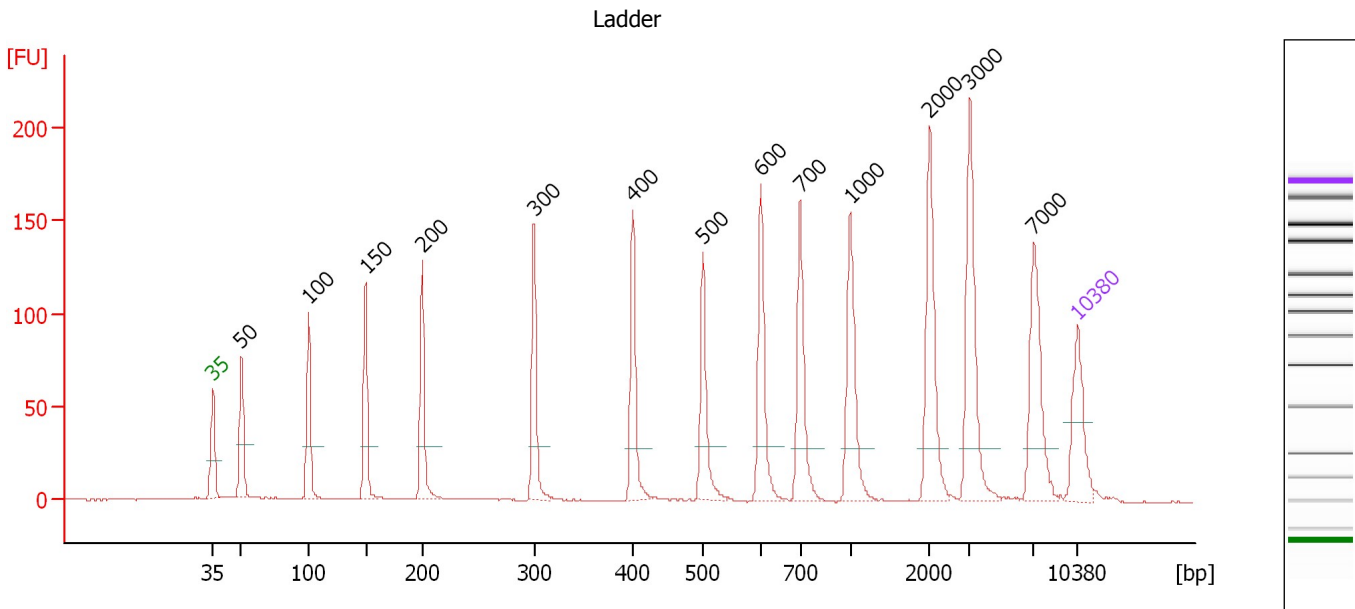
**Reagent Kit Lot #**

**Chip Comments :**

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

Created: 6/14/2017 3:16:37 PM  
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**Electropherogram Summary**



**Overall Results for Ladder**

Noise: 0.2

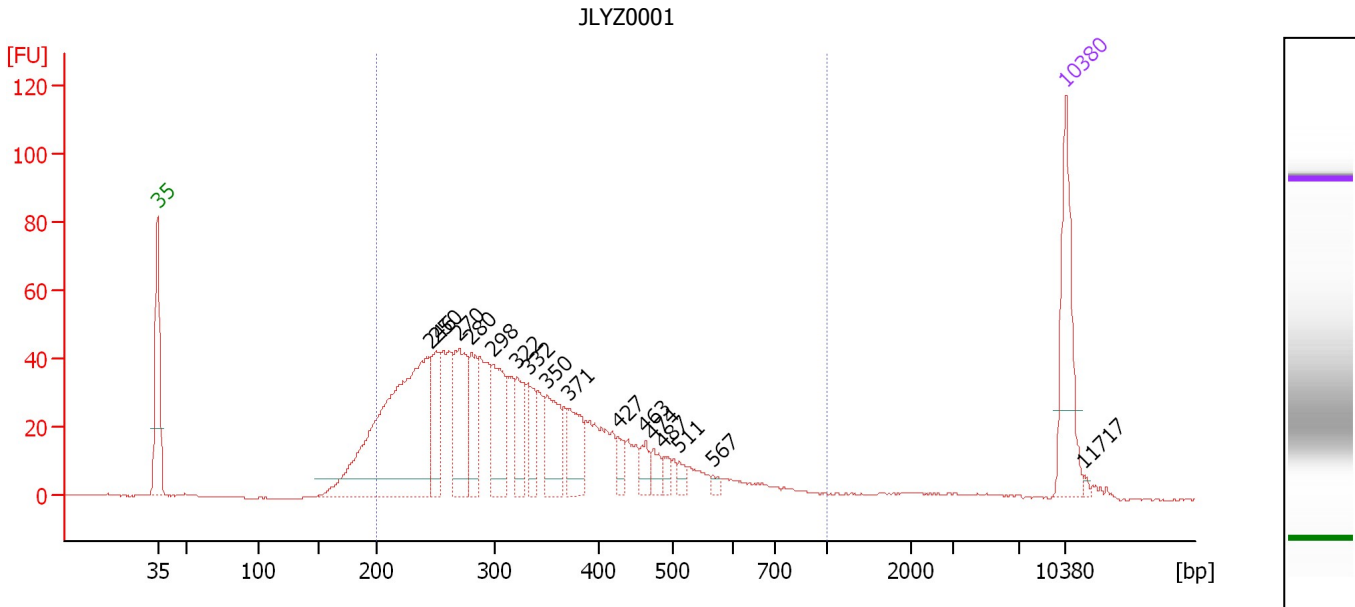
**Peak table for Ladder**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	50	150.00	4,545.5	Ladder Peak	45.29
3	100	150.00	2,272.7	Ladder Peak	50.73
4	150	150.00	1,515.2	Ladder Peak	55.35
5	200	150.00	1,136.4	Ladder Peak	59.93
6	300	150.00	757.6	Ladder Peak	69.00
7	400	150.00	568.2	Ladder Peak	76.99
8	500	150.00	454.5	Ladder Peak	82.69
9	600	150.00	378.8	Ladder Peak	87.35
10	700	150.00	324.7	Ladder Peak	90.54
11	1,000	150.00	227.3	Ladder Peak	94.60
12	2,000	150.00	113.6	Ladder Peak	101.04
13	3,000	150.00	75.8	Ladder Peak	104.28
14	7,000	150.00	32.5	Ladder Peak	109.46
15	10,380	75.00	10.9	Upper Marker	113.00

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 1 : JLYZ0001**

Number of peaks found: 16                      Corr. Area 1: 1,076.7  
 Noise: 0.2

**Peak table for sample 1 : JLYZ0001**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	246	382.21	2,358.6		64.06
3	250	60.79	368.6		64.45
4	270	94.12	528.8		66.25
5	280	55.31	299.5		67.17
6	298	83.01	421.8		68.83
7	322	43.43	204.4		70.75
8	332	37.34	170.2		71.59
9	350	64.57	279.6		72.99
10	371	48.29	197.3		74.65
11	427	15.36	54.5		78.50
12	463	16.27	53.2		80.60
13	474	16.04	51.2		81.22
14	487	10.28	32.0		81.96
15	511	8.40	24.9		83.19
16	567	5.06	13.5		85.81
17	10,380	75.00	10.9	Upper Marker	113.00
18	11,717	0.00	0.0		114.40

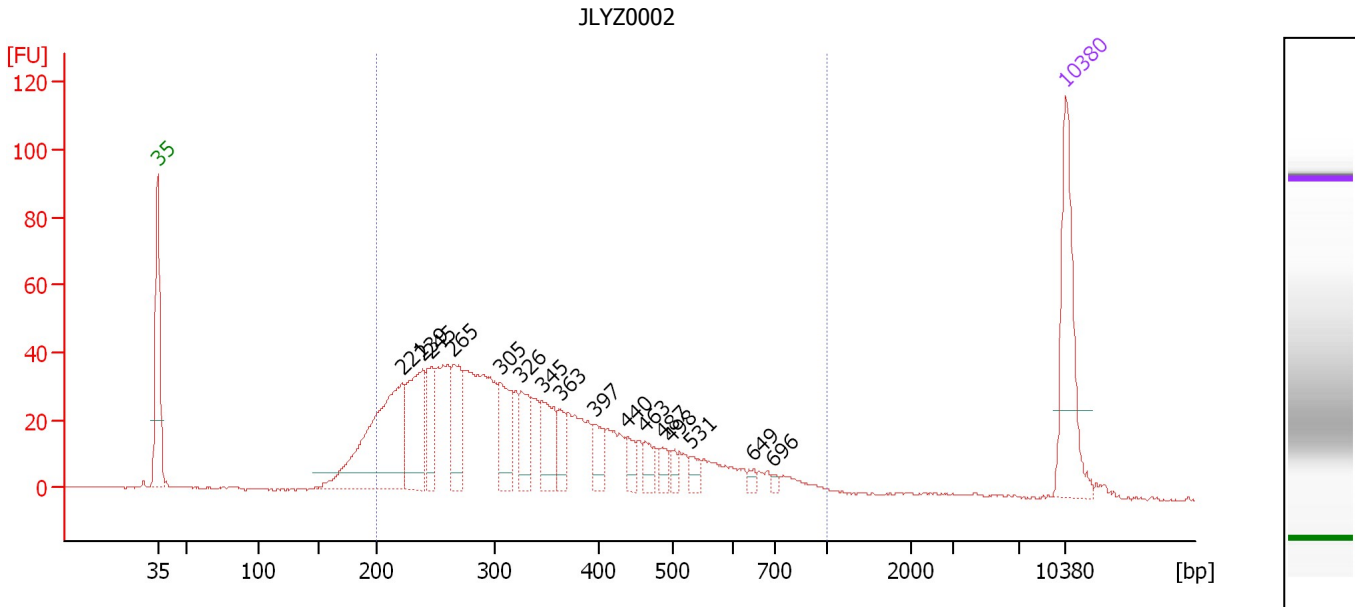
**Region table for sample 1 : JLYZ0001**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	336	1,076.7	6,527.1	1,287.62	90	33.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 2 : JLYZ0002**

Number of peaks found: 16                      Corr. Area 1: 996.8  
 Noise: 0.3

**Peak table for sample 2 : JLYZ0002**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	221	191.12	1,308.4		61.86
3	239	90.21	572.6		63.44
4	245	46.40	286.8		64.02
5	265	58.65	335.9		65.78
6	305	55.08	273.3		69.42
7	326	39.65	184.5		71.05
8	345	46.31	203.2		72.62
9	363	21.53	89.9		74.02
10	397	21.55	82.3		76.72
11	440	13.31	45.9		79.24
12	463	14.91	48.8		80.59
13	487	12.60	39.2		81.94
14	498	8.12	24.7		82.57
15	531	9.93	28.3		84.14
16	649	4.45	10.4		88.92
17	696	3.35	7.3		90.40
18	10,380	75.00	10.9	Upper Marker	113.00

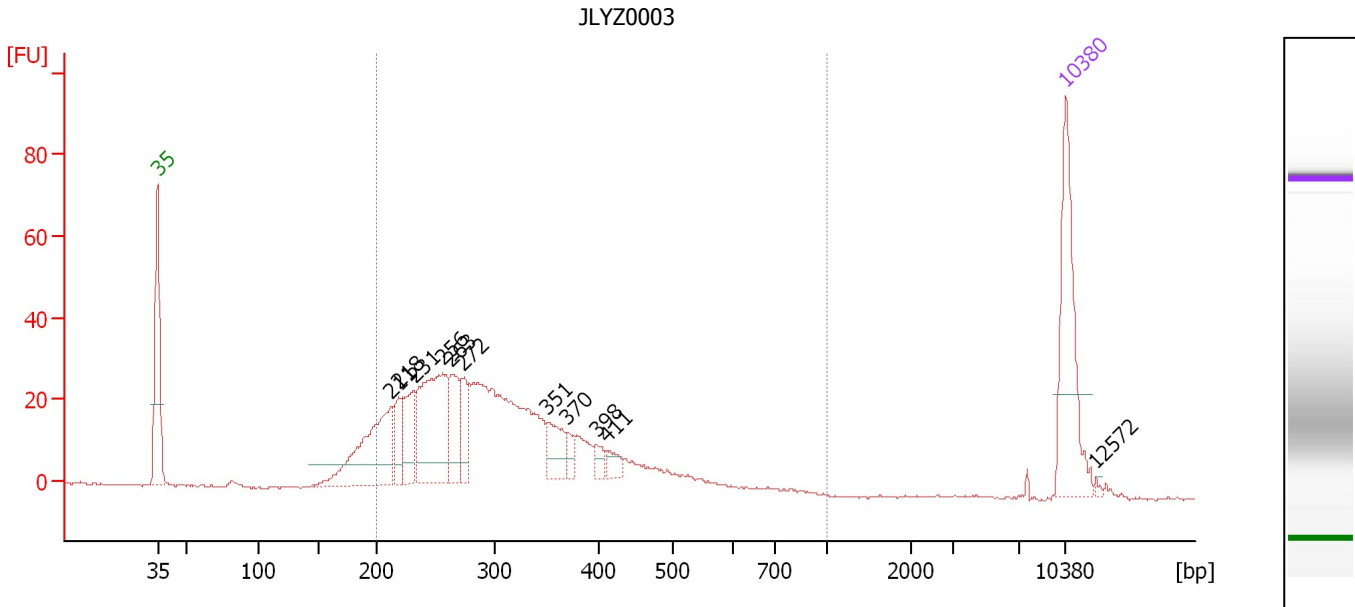
**Region table for sample 2 : JLYZ0002**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	351	996.8	5,066.3	1,016.74	91	37.0

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 3 : JLYZ0003**

Number of peaks found: 11                      Corr. Area 1: 586.7  
 Noise: 0.2

**Peak table for sample 3 : JLYZ0003**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	211	113.80	815.7		60.96
3	218	26.54	184.1		61.60
4	231	41.92	274.8		62.75
5	256	125.00	740.0		65.00
6	263	39.02	224.8		65.64
7	272	28.05	156.2		66.47
8	351	29.52	127.6		73.04
9	370	9.77	40.0		74.56
10	398	9.24	35.2		76.81
11	411	9.92	36.5		77.63
12	10,380	75.00	10.9	Upper Marker	113.00
13	12,572	0.00	0.0		115.30

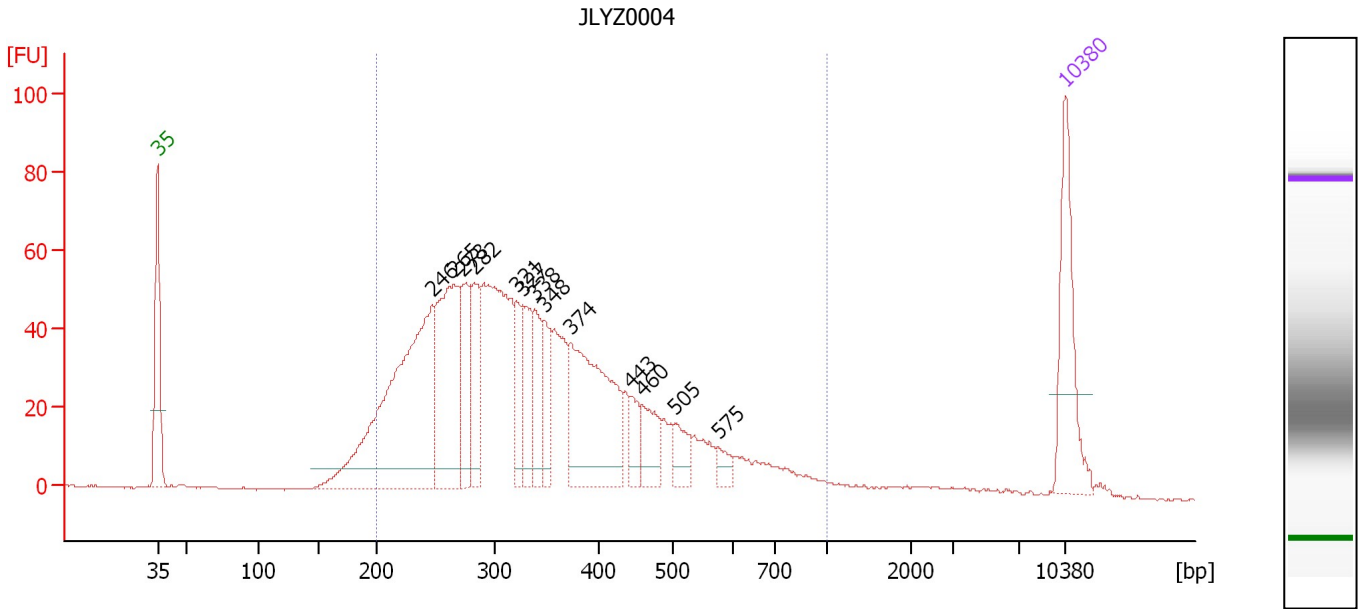
**Region table for sample 3 : JLYZ0003**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	309	586.7	3,661.2	692.85	91	25.6

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 4 : JLYZ0004**

Number of peaks found: 13                      Corr. Area 1: 1,379.9  
 Noise: 0.3

**Peak table for sample 4 : JLYZ0004**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	246	362.48	2,229.8		64.13
3	265	178.59	1,019.3		65.86
4	273	70.98	393.6		66.57
5	282	69.41	372.9		67.37
6	321	46.64	220.3		70.65
7	327	61.92	286.8		71.17
8	338	45.27	203.0		72.01
9	348	38.63	168.3		72.81
10	374	182.15	738.7		74.88
11	443	25.78	88.2		79.43
12	460	38.37	126.3		80.42
13	505	25.40	76.3		82.91
14	575	12.18	32.1		86.19
15	10,380	75.00	10.9	Upper Marker	113.00

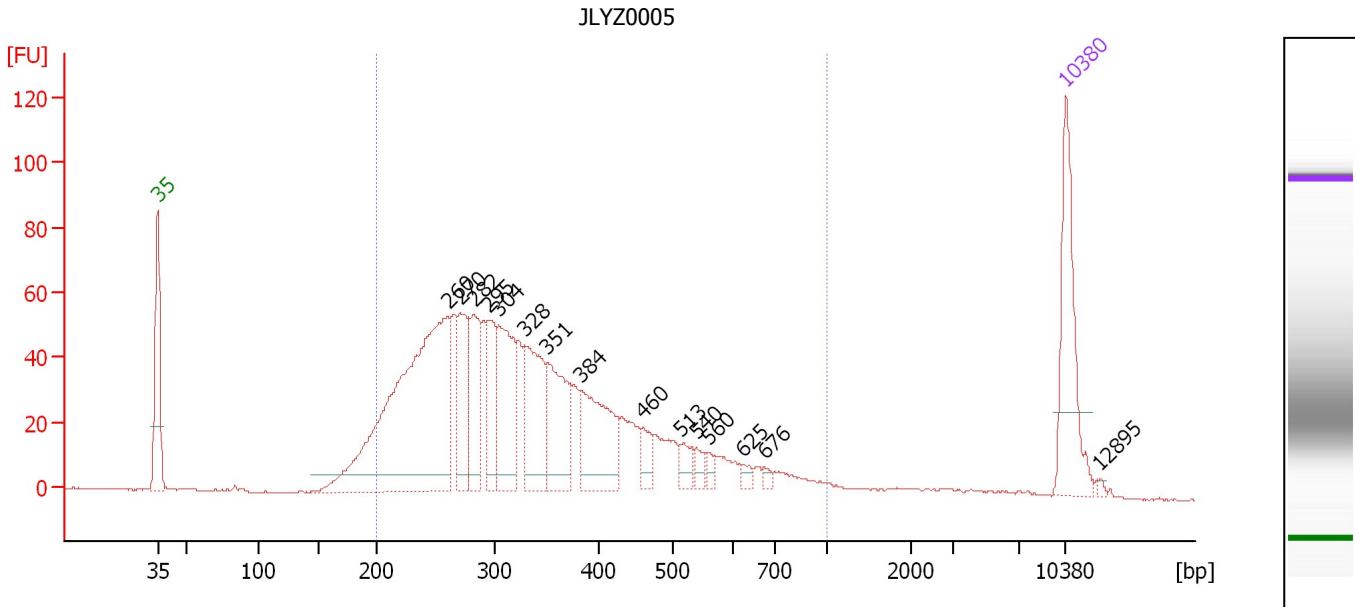
**Region table for sample 4 : JLYZ0004**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	353	1,379.9	7,520.4	1,546.88	94	34.5

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 5 : JLYZ0005**

Number of peaks found: 15                      Corr. Area 1: 1,350.4  
 Noise: 0.2

**Peak table for sample 5 : JLYZ0005**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	260	417.51	2,432.4		65.38
3	270	75.99	426.3		66.29
4	282	76.47	410.5		67.39
5	295	57.56	295.2		68.59
6	304	99.44	495.9		69.30
7	328	97.52	449.9		71.27
8	351	87.00	376.0		73.04
9	384	89.89	355.0		75.68
10	460	17.82	58.7		80.42
11	513	14.56	43.0		83.29
12	540	7.91	22.2		84.54
13	560	6.49	17.6		85.50
14	625	6.20	15.0		88.13
15	676	4.18	9.4		89.76
16	10,380	75.00	10.9	Upper Marker	113.00
17	12,895	0.00	0.0		115.64

**Region table for sample 5 : JLYZ0005**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	350	1,350.4	6,346.2	1,287.91	94	35.6

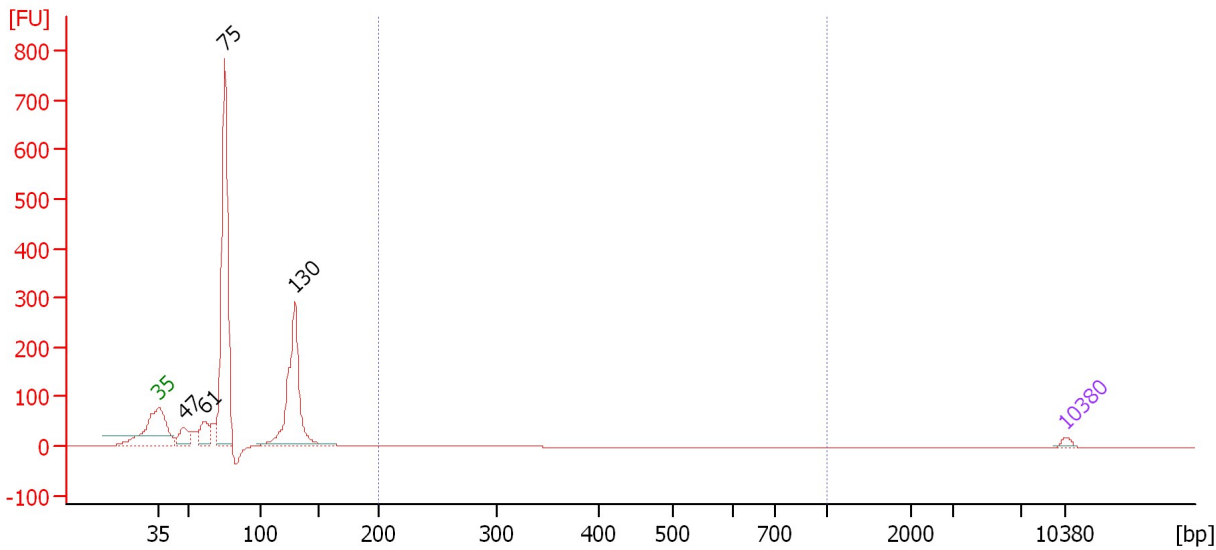


Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**

6



**Overall Results for sample 6 : 6**

Number of peaks found: 4                      Corr. Area 1: 10.8  
 Noise: 0.2

**Peak table for sample 6 : 6**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	47	599.20	19,234.8		44.86
3	61	708.85	17,627.4		46.48
4	75	8,085.74	162,626.1		48.05
5	130	4,320.81	50,440.1		53.48
6	10,380	75.00	10.9	Upper Marker	113.00

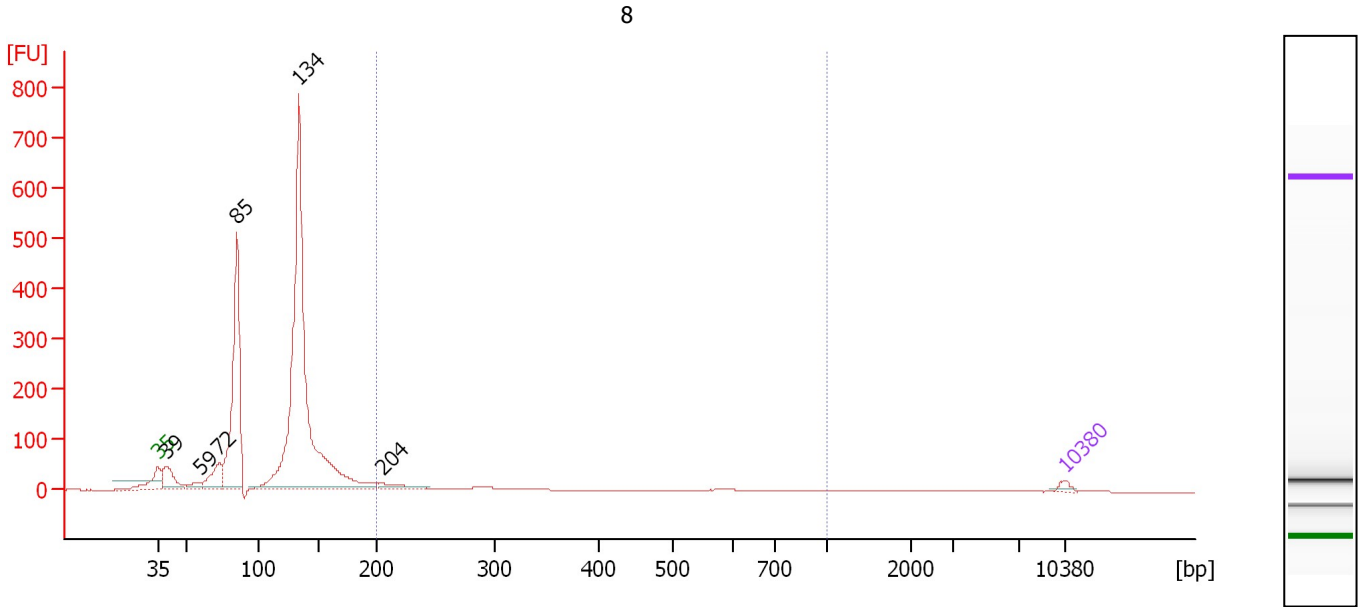
**Region table for sample 6 : 6**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	251	10.8	464.3	76.08	1	15.4

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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**Electropherogram Summary Continued ...**



**Overall Results for sample 7 : 8**

Number of peaks found: 6                      Corr. Area 1: 152.1  
 Noise: 0.2

**Peak table for sample 7 : 8**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	39	873.20	33,512.2		43.68
3	59	277.44	7,068.5		46.32
4	72	831.43	17,380.6		47.74
5	85	5,163.51	91,997.9		49.10
6	134	12,364.33	139,648.7		53.89
7	204	268.48	1,995.2		60.28
8	10,380	75.00	10.9	Upper Marker	113.00

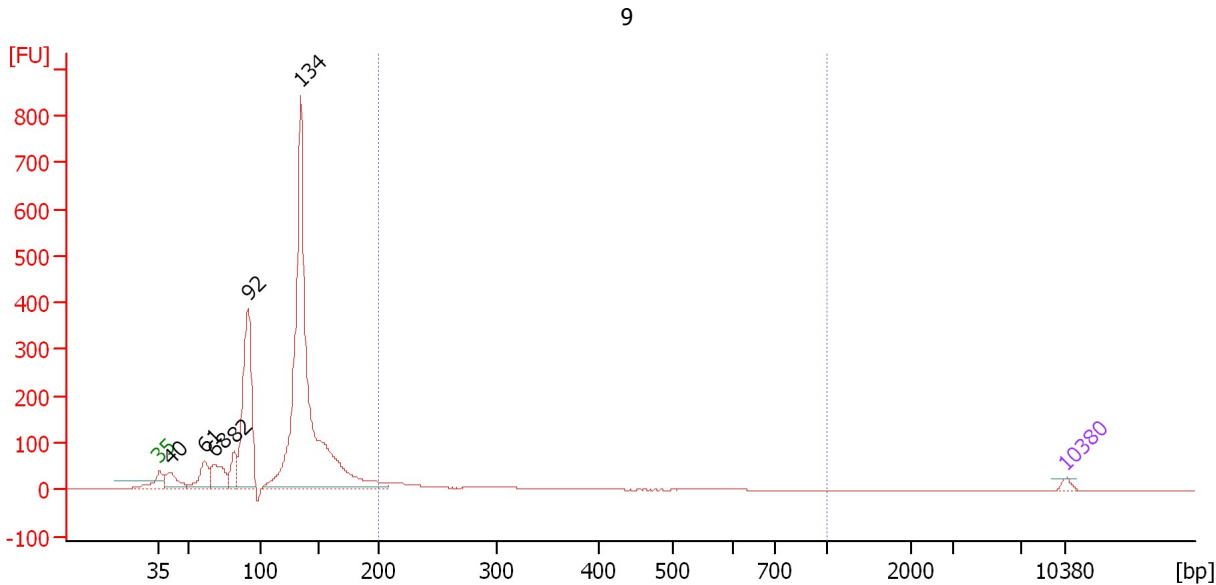
**Region table for sample 7 : 8**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. lor [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	318	152.1	5,049.6	910.67	5	40.3

Assay Class: High Sensitivity DNA Assay  
 Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

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 Modified: 6/14/2017 3:49:21 PM

**Electropherogram Summary Continued ...**



**Overall Results for sample 8 : 9**

Number of peaks found: 6                      Corr. Area 1: 192.7  
 Noise: 0.2

**Peak table for sample 8 : 9**

Peak	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations	Aligned Migration Time [s]
1	35	125.00	5,411.3	Lower Marker	43.00
2	40	644.29	24,321.7		43.78
3	61	745.23	18,532.1		46.48
4	68	876.70	19,496.9		47.26
5	82	619.75	11,439.5		48.78
6	92	4,215.76	69,779.9		49.81
7	134	12,183.22	137,724.2		53.87
8	10,380	75.00	10.9	Upper Marker	113.00

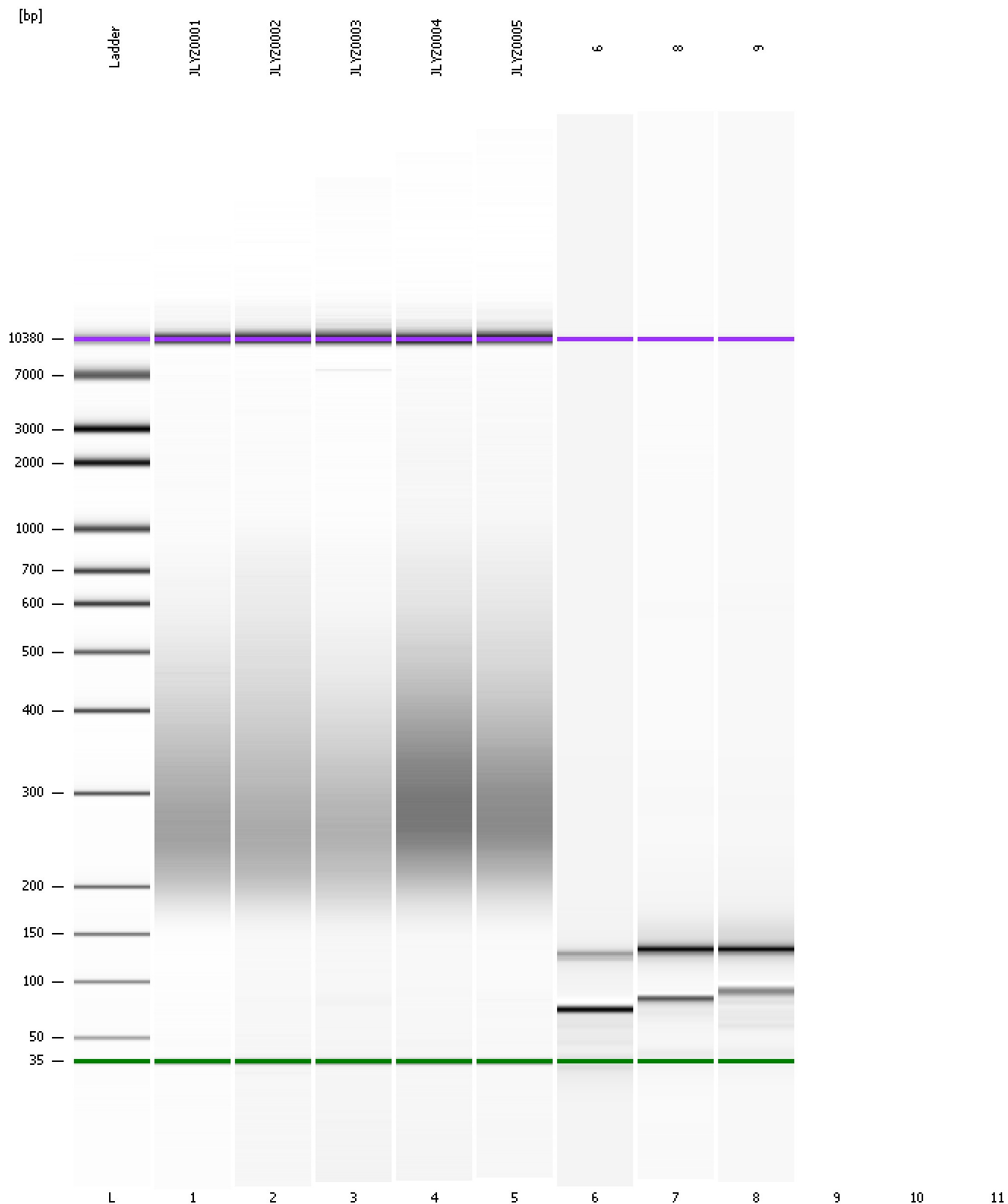
**Region table for sample 8 : 9**

From [bp]	To [bp]	Average Size [bp]	Corr. Area	Molarity [pmol/l]	Co Conc. [pg/μl]	% of Total	Size distribution in CV [%]
200	1,000	312	192.7	5,779.2	1,030.12	6	39.4

Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

Created: 6/14/2017 3:16:37 PM  
Modified: 6/14/2017 3:49:21 PM

**Gel Image**



Assay Class: High Sensitivity DNA Assay  
Data Path: C:\... bioanalyzer\2100 expert\data\2017-06-14\2017-06-14\_001.xad

Created: 6/14/2017 3:16:37 PM  
Modified: 6/14/2017 3:49:21 PM

**Invalid Samples**

Sample 9 has not been run, no results available.

Sample 10 has not been run, no results available.

Sample 11 has not been run, no results available.